

THIS PROJECT INVOLVES THE MODIFICATION OF THE EXISTING TRAFFIC CONTROL SIGNAL AT THE INTERSECTION OF MD 108 (OLNEY SANDY SPRING ROAD) AND VILLAGE CENTER DRIVE IN MONTGOMERY COUNTY, MARYLAND. MD 108 IS ASSUMED TO RUN IN AN EAST-WEST DIRECTION.

THE INTERSECTION WILL OPERATE IN A NEMA SIX-PHASE, FULL-TRAFFIC-ACTUATED MODE WITH THE MD 108 APPROACHES OPERATING CONCURRENTLY AND THE VILLAGE CENTER DRIVE APPROACHES OPERATING CONCURRENTLY. THE EXCLUSIVE/PERMISSIVE LEFT-TURN PHASING ON THE EASTBOUND AND WESTBOUND MD 108 APPROACHES IS BE CHANGED TO FLASHING RED ARROW OPERATION.

AN ALTERNATE PEDESTRIAN PHASE IS PROVIDED ACROSS BOTH LEGS OF MD 108 AND PEDESTRIAN INDICATIONS ARE PROVIDED ACROSS BOTH LEGS OF VILLAGE CENTER DRIVE.

WAIT: "WAIT TO CROSS VILLAGE CENTER AT OLNEY SANDY SPRING."*

WALK: RAPID TICK

WAIT: "WAIT TO CROSS OLNEY SANDY SPRING AT VILLAGE CENTER." *

WALK: RAPID TICK

WAIT: "WAIT TO CROSS VILLAGE CENTER AT OLNEY SANDY SPRING."*

WALK: RAPID TICK

WAIT: "WAIT TO CROSS OLNEY SANDY SPRING AT VILLAGE CENTER." *

WALK: RAPID TICK

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* MESSAGE USED IF DISTANCE FROM NEAREST PUSHBUTTON FOR PERPENDICULAR CROSSING IS < 10'
** MESSAGE USED IF CROSSWALK DIVERGES FROM OR CONVERGES WITH PARALLEL TRAFFIC
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NOTE: MESSAGES FOR INTERSECTION CONFIGURATIONS, VARYING FROM THE ABOVE
ARE TO BE APPROVED BY THE DIRECTOR, OFFICE OF TRAFFIC AND SAFETY.

THE EXISTING BASE MOUNTED CABINET AND CONTROLLER WILL BE USED. THE DETECTOR RACK WILL BE RETRO-FITTED WITH FOUR (4) FOUR-CHANNEL, TIME-DELAY-OUTPUT LOOP DETECTOR AMPLIFIERS.

THE FOLLOWING TRAFFIC CONTROL STANDARDS SHALL BE REFERENCED FOR THE PROJECT.
ADDITIONAL TRAFFIC CONTROL STANDARDS MAY BE USED AS DIRECTED BY THE ENGINEER.

STANDARD NO.	MD-104.04-03 (LEFT LANE CLOSURE)	STANDARD NO.	MD-104.04-13 (LEFT TURN BAY CLOSURE)
STANDARD NO.	MD-104.04-05 (RIGHT LANE CLOSURE)		
STANDARD NO.	MD-104.04-07 (CENTER LANE CLOSURE)		

FOUR-CHANNEL, TIME-DELAY-OUTPUT, LOOP

VIDEO INTERFACE EQUIPMENT: 1-4 CAMERAS

SHEET ALUMINUM SIGNS TO CONSIST OF :

- 2 EACH R10-12(2) SIGN (48 IN. x 36 IN.) - SPAN MOUNT

- 1 EACH ASSOCIATED SHIELD ASSEMBLY "FAST, MD 108 , RI

(30 IN. x 51 IN.) - POLE MOUNT

- 1 EACH ASSOCIATED SHIELD ASSEMBLY "WEST"
(10 IN. x 75 IN.) GOLF MOUNT

1. EACH ASSOCIATED SHIELD ASSEMBLY "EAST MD 108 RIGHT ARROW"

- 1 EACH ASSOCIATED SHIELD ASSEMBLY EA.
(30 IN. x 51 IN.) - POLE MOUNT

- 1 EACH ASSOCIATED SHIELD ASSEMBLY "WEST, MD 108, LEFT ARROW"

(48 IN. x 75 IN.) - POLE MOUNT

- 4 EACH R10-3(1) SIGN (9 IN. X 15 IN.) TO READ "PUSHBUTTON
TO CROSS OLNEY SANDY SPRING ROAD"

4 EACH B10-3(1) SIGN (8 IN. x 15 IN.) TO READ "PUSH/UTION"

TO CROSS VILALGE CENTER DRIVE"

C. EQUIPMENT TO BE REMOVED AND RETURNED TO SHA

ALL REMOVED SIGNAL MATERIALS SHALL BECOME PROPERTY OF THE CONTRACTOR

THE CONTACT PERSONS FOR SHA ARE AS FOLLOWS:

MR. BRIAN YOUNG
PHONE: (301) 513-7404
ASSISTANT DISTRICT ENGINEER -
TRAFFIC (PRINCE GEORGE'S)

MR. AUGIE REBISH
DISTRICT UTILITY ENGINEER
PHONE: (301) 513-7350

MR. RICHARD L. DAFF, SR.
CHIEF, TRAFFIC OPERATIONS DIVISION
PHONE: (410) 787-7630

MR. VERNON STINNETT
ASSISTANT DISTRICT ENGINEER - MAINTENANCE
PHONE: (301) 513-7304

WIRING DIAGRAM

SPlice EXISTING LOOP WIRES TO NEW 2-CONDUCTOR ELECTRICAL CABLES (ALUMINUM SHIELDED) NO. 14 A.W.G. USING SPlice KIT

WIRING KEY

A } 7-CONDUCTOR ELECTRICAL CABLE (NO. 14 A.W.G.)
B }

C } 5-CONDUCTOR ELECTRICAL CABLE (NO. 14 A.W.G.)
D }
E }
U }
V }

G } 2-CONDUCTOR ELECTRICAL CABLE (NO. 14 A.W.G.)
H }
J }
L }
M }
N }
Q }

W } 2-CONDUCTOR ELECTRICAL CABLE ALUMINUM SHIELDED (NO. 14 A.W.G.)
X }
Y }
Z }
AA }
BB }

P } VIDEO CAMERA DETECTION LEAD-IN CABLE
Q }
R }
S }

T } STRANDED BARE COPPER GROUND WIRE (NO. 6 A.W.G.)

+ - 3/4 IN. X 10 FT. GROUND ROD

A, B, C, D, E, F, G, H, J, K, L, M, N, O, P, Q, R, S, V, W, X, Y, Z, AA, BB

A, B, C, D, E, F, G, H, J, K, L, M, P, Q, R, S, V, W, X, Y

N, T

O, T

Z, BB

B, C, E, G, H, L, M, R, S, T, V

C, E, G, H, L, M, R, S, T, V

H, T

G, H

C, G, H

C, G, H, V

M, T

L, T

L

M

S

R

E

L, M

G, T

G

C

H

J, T

K, T

J, K

K

J

W, X, Y

D

P

A, D, J, K, P, Q, W, X, Y

U

A, U

A

B

F

N

O

T

Z, BB

[illegible]

TOD No: XX444-25S
SHA No: MO205A5D/B5D
MD 108 @ Village Center Drive



STATE OF MARYLAND
DEPARTMENT OF TRANSPORTATION
STATE HIGHWAY ADMINISTRATION
OFFICE OF TRAFFIC & SAFETY
TRAFFIC ENGINEERING DESIGN DIVISION
MD 108 (Olney Sandy Spring Road) and
Village Center Drive

SCALE NONE ADVERTISED DATE 8/1/2009 CONTRACT NO. XX4445185

DESIGNED BY S. Bloss COUNTY Montgomery
DRAWN BY S. Bloss LOGMILE 15010813.52
CHECKED BY N. Leary 3/6 TMS NO. J371
F.A.P. NO. _____ TOD NO. _____

TS NO. 2213 D	DRAWING TSP-3 OF 3	SHEET NO. 3 OF 3
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WR&A
WHITMAN, REQUARDT
& ASSOCIATES, LLP
801 South Caroline Street, Baltimore, Maryland 21231

PLOTTED: 11-11-2009
FILE: n:\31669-013\CADD\pSG-N003_J371.dgn